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32-13389: RPS6KB1 Human

Alternative Name :	Ribosomal protein S6 kinase beta-1 isoform a, p70 S6KA, p70(S6K)-alpha, p70-alpha, p70-S6K, PS6K, S6K, S6K-beta-1, S6K1, STK14A, 70 kDa ribosomal protein S6 kinase 1, p70-S6K 1, Ribosomal protein S6 kinase I, Serine/threonine-protein kinase 14A, p70 ribosomal S6 kinase alpha, p70 S6 kinase alpha, p70 S6K-alpha, p70 S6KA.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Ribosomal Protein S6 Kinase Beta-1 Isoform A or RPS6KB1 is type of serine/threonine kinas. The protein effects on the PIP3 and phosphoinositide-dependent kinase-1 as part of the PI3 kinase pathway. Protein synthesis is induced by Phosphorylation of S6 in the ribosome. It was shown that phosphorylation of p70S6K at threonine 389 acts as mTOR activation indication and corresponded along with the inhibition of autophagy in different cases, nonetheless new studies has shown that the p70S6K activity has a constructive and increasing affect of autophagy.
RPS6KB1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 533 amino acids (1-525a.a.) and having a molecular mass of 60.2kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).RPS6KB1 is expressed with a 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	RPS6KB1 protein solution (0.25mg/ml) contains 50mM Tris-HCl (pH 7.5), 30% glycerol, 0.5M NaCl, 2mM DTT and 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MRRRRRRDGF YPAPDFRDRE AEDMAGVFDI DLDQPEDAGS EDELEEGGQL NESMDHGGVG PYELGMEHCE KFEISETSVN RGPEKIRPEC FELLRVLGKG GYGKVFQVRK VTGANTGKIF AMKVLKKAMI VRNAKDTAHT KAERNILEEV KHPFIVDLIY AFQTGGKLYL ILEYLSGGELFMQLEREGIF MEDTACFYLA EISMALGHLH QKGIIYRDLK PENIMLNHQG HVKLTDFGLC KESIHDGTVT HTFCGTIEYM APEILMRSGH NRAVDWWSLG ALMYDMLTGA PPFTGENRKK TIDKILKCKL NLPPYLTQEA RDLLKKLLKR NAASRLGAGP GDAGEVQAHP FFRHINWEELLARKVEPPFK PLLQSEEDVS QFDSKFTRQT PVDSPDDSTL SESANQVFLG FTYVAPSVLE SVKEKFSFEP KIRSPRRFIG SPRTPVSPVK FSPGDFWGRG ASASTANPQT PVEYPMETSG IEQMDVTMSG EASAPLPIRQ PNSGPYKKQA FPMISKRPEH LRMNLLEHHH HHH.